

June 17, 2003

VIA FAX AND REGISTERED MAIL

*FAX: 13 Pages including this page.*

FAX TO: Lun-yi LAO  
Examiner  
Honorable Commissioner for Patents  
Crystal Park II, 2121 Crystal Dr., Arlington, VA 22202  
(703) 872-9314

FAX FROM: Arthur Sarkissian  
Application/Control #: 09/835,884

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Dear Lun-yi,

I really hope we can still talk this week. I can tell that you are very busy. Should I worry that my file was taken? I didn't quite understand if it was normal procedure or not. Please call me and let me know when you think it would be returned so that we can talk.

When you read the reply I'm sure you will be proud. I have included your recommendations and all changes are justified by my original submission.

Please accept the following pages 13, 67, 15, 70, 17, 73, 18, and 74 of my June 2, 2003 reply with very minor changes. I overlooked these in my haste. The five changes are summarized below:

- On page 13, the words "LCD Monitor" has been added. The last paragraph on page 67 contains this change with markings shown.
- Paragraph 4 on page 15 has been changed with the corresponding marked version at page 70.
- The first line of the second full paragraph on page 17 with page 73 containing the version with markings shown.
- The second full paragraph on page 18 has been amended with corresponding page 74 having markings shown.
- Figures 10 and 11 have the term "LCD MONITOR" added to the label. An outer frame for the monitor display has been added. The changes are indicated on marked copies of illustrations from my June 2, 2003 reply.

Very truly yours,



Arthur Sarkissian

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Kindly amend lines 13-14 of page 13 of the Description, as would be apparent to those skilled in the art, to read as follows:

Figure 9, labeled as "prior art" is a top view illustration of a conventional Qwerty inputting device having keys with key-values placed in the "Qwerty" scheme of key-value placement.

Kindly amend lines 3-4 of page 14 of the Description, as would be apparent to those skilled in the art, to read as follows:

Figure 10, labeled "LCD Monitor Touch Sensitive Touch Screen Display" illustrates an LCD diode-illuminated matrix monitor display screen overlayed by a touch screen. Other kinds of displays and touch screen combinations may also be utilized without altering the spirit of the invention.

Kindly amend lines 5-11 of page 14 of the Description, as would be apparent to those skilled in the art, to read as follows:

Figure 10 illustrates the touch sensitive touch screen display of this embodiment having an LCD matrix display depicting key-surround modules as a graphical user interface and a touch screen overlay. The depictions of key-surround modules 227, 228, 229, 230, 231, 232, 233, 234, 235 and single key-modules 236 and 237 serve in this touch sensitive touch screen embodiment of the key-surround data input keyboard inputting device as a graphical user interface. Graphical user interfaces are screen depictions which bring forth an action with the user's, in this case

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Kindly amend the second paragraph of page 13 at line 12 of the Description, as would be apparent to those skilled in the art, to read as follows:

A similar system of tracks may be utilized beneath these tracks so that groups of key-modules or nesting modules may be positionally displaced in unison.

Kindly amend lines 13-14 of page 13 of the Description, as would be apparent to those skilled in the art, to read as follows:

Figure 9, labeled as "prior art" is a top view illustration of a conventional Qwerty inputting device having keys with key-values placed in the "Qwerty" scheme of key-value placement.

Kindly amend lines 3-4 of page 14 of the Description, as would be apparent to those skilled in the art, to read as follows:

Figure 10, labeled "LCD Monitor Touch Sensitive Touch Screen Display" illustrates a ~~display screen having touch screen sensing elements and, in the alternative, an LCD diode-~~  
illuminated matrix monitor display screen which is covered by overlaid by a touch screen.  
Other kinds of displays and touch screen combinations may also be utilized without altering the spirit of the invention.

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Kindly amend lines 20-21 of page 19 of the Description, as would be apparent to those skilled in the art, to read as follows: Keys in other embodiments may be of different shapes than those illustrated.

Kindly amend lines 3-4 of page 20 of the Description, as would be apparent to those skilled in the art, to read as follows: Also the number of key-surrounds need not be as many nor be limited in number as those described in this illustration..

Kindly amend lines 13-22 of page 20 of the Description, as would be apparent to those skilled in the art, to read as follows:

Figure 12 illustrates a top view of the key-surround data input module keyboard inputting device which may apply to various embodiments of the inputting device.

Figure 12 depicts a top view which has applicability to various embodiments of the key-surround data input module keyboard inputting device. The key-surround data input module keyboard inputting device of Figure 12 contains key-values of the conventional Qwerty keyboard placed so that Qwerty key relationships and positions are maintained. Qwerty inputting can be achieved on the smaller surface area of the key-surround data input module keyboard inputting device.

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Kindly amend lines 20-21 of page 19 of the Description, as would be apparent to those skilled in the art, to read as follows:

Keys in other embodiments may be of different shapes than those ~~displayed~~ illustrated.

Kindly amend lines 3-4 of page 20 of the Description, as would be apparent to those skilled in the art, to read as follows:

Also the number of key-surrounds need not be as many nor be limited in number as those described in this illustration ~~embodiment~~.

Kindly amend lines 13-22 of page 20 of the Description, as would be apparent to those skilled in the art, to read as follows:

Figure 12 illustrates a top view of ~~several embodiments discussed herein of the key-surround~~ data input module keyboard inputting device which ~~applies~~ may apply to various embodiments of ~~the either a three-dimensional or a two-dimensional key-surround module~~ module inputting device.

~~In terms of a three-dimensional inputting device,~~ Figure 12 depicts a top view which has applicability to various embodiments of the key-surround data input module keyboard inputting device. The key-surround data input module keyboard inputting device of Figure 12 contains key-values of the conventional Qwerty keyboard placed so that Qwerty key relationships and

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has the key-value for “;,” at its middle key, a first key-surround key having the key-values for “Ctrl”, “P”, “[“, “[”, “”, “”, “?” and “/”, and, a second key-surround key having the key-values for “)”, “0” “+”, “=” and “Shift”. In other embodiments the placements of key-values may be rearranged to best suit the convenience of the user.

Kindly amend lines 4-13 of page 22 of the Description, as would be apparent to those skilled in the art, to read as follows:

In an alternate embodiment the key-values found in Figure 12 could be adapted to a touch sensitive touch screen embodiment. The key-surround module inputting device of Figure 13 contains key-values of the conventional Qwerty keyboard placed so that Qwerty key relationships and positions are maintained achieving inputting on a smaller surface area. Key-surround module 323 contains a middle key having a plurality of rest-position key-values “A”, “S”, “D”, and “F”, a first key-surround key having the key-values for Q”, “W”, “E”, “R”, T”, “G”, “B”, “V”, “C”, “X”, “Z” and “Capslock”, and, a second key-surround key having the key values for “Numlock”, “Tab”, “Ctrl”, “Shift”, “Fn” “Esc”, “!”, “1”, “@”, “2”, “#”, “3”, “\$”, “4”, “%” and “5”. Key-surround module 323 contains a middle key having a plurality of rest-position key-values “J”, “K”, “L”, and “;,” and, a first key-surround key having the key-values for “M”, “N”, “H”, “Y”, “U” “T”, “O”, “P”, “[“, “[”, “”, “”, “?”, “/”, “Ctrl”, “>”, “:”, “<” and “,” and, a second key-surround key having the key-values for

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In an alternate embodiment the key-values found in terms of a two dimensional inputting device, Figure 12 could be adapted to a illustrates the frontal view to the user of a touch sensitive touch screen embodiment. display graphical user interface of a key surround data input module keyboard inputting device having conventional Qwerty keyboard key-values, and having the same qualities as described for a three dimensional embodiment.

Figure 13, in terms of a three dimensional inputting device, illustrates a top view and has applicability to various embodiments of the key surround module inputting device. The key-surround module inputting device of Figure 13 contains key-values of the conventional Qwerty keyboard placed so that Qwerty key relationships and positions are maintained while such key-values and inputting can be achieved inputting in a smaller surface area. Key-surround module 323 contains a middle key having a plurality of rest-position key-values such as "A", "S", "D", and "F", a first key-surround key having the key-values for Q", "W", "E", "R", T", "G", "B", "V", "C", "X", "Z" and "Capslock", and, a second key-surround key having the key values for "Numlock", "Tab", "Ctrl", "Shift", "Fn" "Esc", "!", "1", "@", "2", "#", "3", "\$", "4", "%" and "5" with Qwerty key-values at its surround keys which are inputted from said middle key key-values on the conventional Qwerty keyboard. Key-surround module 323 contains a middle key having a plurality of rest-position key-values such as "J", "K", "L", and ":", and, a first key-surround key having the key-values for "M", "N", "H", "Y", "U", "I", "O", "P", "[", "]", "(", ")", "7", "8", "9", "0", "Alt", "Del", "+", "=", and "Backspace", "\", "6", "&", "7", "Ins", "F", "8", "9", "0", "Alt", "Del", "+", "=", and

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"Backspace", "^", "6", "&", "7", "Ins", "\*", "8", "(", "9", ")", "0", "Alt", "Del", "+", "=" and "Shift". In other embodiments the placements of key-values may be re-arranged to best suit the convenience of the user.

Kindly amend lines 7-10 of page 23 of the Description, as would be apparent to those skilled in the art, to read as follows:

Figure 13 illustrates the top view of the key-surround data input module keyboard inputting device having conventional Qwerty keyboard key-values. In an alternate embodiment the key-values found in Figure 13 could be adapted to a touch sensitive touch screen embodiment.

***In the Claims:***

Kindly cancel claims 1-19 without prejudice or disclaimer. Kindly amend the following claims to result in the following clean amended claims:

20. (Amended) A key-surround data input module keyboard inputting device for inputting data to a computer comprising :

    a middle key having an inputting means for inputting data to the computer; and

    a key-surround key surrounding said middle key having inputting means for inputting data to the computer;

    wherein said middle key nests within said key-surround key;



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~~"Shift" with Qwerty key-values at its surround keys which are inputted from said middle key~~  
~~key-values on the conventional Qwerty keyboard. In other embodiments the placements of key-~~  
~~values may be re-arranged to best suit the convenience of the user.~~

Kindly amend lines 7-10 of page 23 of the Description, as would be apparent to those skilled in the art, to read as follows:

~~In terms of a two-dimensional inputting device, Figure 13 illustrates the top view of the a~~  
~~frontal view to the user of a touch sensitive touch screen display graphical user interface of a key-~~  
~~surround data input module keyboard inputting device having conventional Qwerty keyboard~~  
~~key-values. In an alternate embodiment the key-values found in Figure 13 could be adapted to a~~  
~~touch sensitive touch screen embodiment, with the same qualities as described for a three-~~  
~~dimensional embodiment.~~

***In the Claims:***

Kindly enter the following amendments as shown:

20. (Amended) A key-surround data input module keyboard inputting device for inputting data  
~~including controls to a computer or other equipment comprising of:~~  
a middle key having an inputting means for inputting data ~~including controls to a the~~